

The diagnostics system for power transmission lines of 6/10 kv

Shagiev R., Karpov A., Kalabanov S.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© (2014) Trans Tech Publications, Switzerland. The article describes the diagnostics system of the power transmission lines of 6/10 kVolts on the basis of smart electric modems. It shows the description of the smart electric modem and the creation principle of the diagnostics system. The main feature here is the use of power transformers as coupling devices with a high-voltage power line.

<http://dx.doi.org/10.4028/www.scientific.net/AMM.666.138>

Keywords

Fault locator, PLC modem, Power line diagnostics, Reflectometer